

| Ref # | Hits | Search Query   | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------------|------------------|---------|------------------|
| L3    | 686  | (204/192.12.ccls. or 204/192.17.ccls. or 204/192.15.ccls. or "438"/\$.ccls.) and (Cobalt adj (silicide or salicide)) and ((titanium adj nitride) or TiN)   | USPAT                        | OR               | OFF     | 2005/09/28 16:31 |
| L4    | 631  | (204/192.12.ccls. or 204/192.17.ccls. or 204/192.15.ccls. or "438"/\$.ccls.) and (Cobalt adj (silicide or salicide)) and ((titanium adj nitride) or TiN) and (anneal\$5 or (heat adj treat\$5) or thermal\$5)  | USPAT                        | OR               | OFF     | 2005/09/28 13:36 |
| L5    | 417  | (204/192.12.ccls. or 204/192.17.ccls. or 204/192.15.ccls. or "438"/\$.ccls.) and (Cobalt adj (silicide or salicide)) and ((titanium adj nitride) or TiN) and (anneal\$5 or (heat adj treat\$5) or thermal\$5) and sputter\$5   | USPAT                        | OR               | OFF     | 2005/09/28 14:32 |
| L6    | 9    | ("20020022366"   "5911114"   "6171959"   "6329276"   "6335294"   "6391767"   "6451693"   "6551927"   "6657244").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2005/09/28 13:42 |
| L7    | 230  | (204/192.12.ccls. or 204/192.17.ccls. or 204/192.15.ccls. or "438"/\$.ccls.) and (Cobalt adj (silicide or salicide)) and ((titanium adj nitride) or TiN) and (anneal\$5 or (heat adj treat\$5) or thermal\$5) and (sputter\$5 same ((titanium adj nitride) or TiN))        | USPAT                        | OR               | OFF     | 2005/09/28 13:56 |
| L8    | 2    | (204/192.12.ccls. or 204/192.17.ccls. or 204/192.15.ccls. or "438"/\$.ccls.) and (Cobalt adj (silicide or salicide)) and ("TiN.sub.x") and (anneal\$5 or (heat adj treat\$5) or thermal\$5) and (sputter\$5 same ("TiN.sub.x"))  | USPAT                        | OR               | OFF     | 2005/09/28 13:57 |
| L9    | 178  | (204/192.12.ccls. or 204/192.17.ccls. or 204/192.15.ccls. or "438"/\$.ccls.) and (Cobalt adj (silicide or salicide)) and ((titanium adj nitride) or TiN) and (anneal\$5 or (heat adj treat\$5) or thermal\$5) and sputter\$5 and (Ar or argon) and (nitrogen or "N.sub.2") | USPAT                        | OR               | OFF     | 2005/09/28 14:02 |

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|-----|-----|--|------------------------------|----|-----|------------------|
| L10 | 76  | (204/192.12.ccls. or 204/192.17.ccls. or 204/192.15.ccls. or "438"/\$.ccls.) and (Cobalt adj (silicide or salicide)) and ((titanium adj nitride) or TiN) and (anneal\$5 or (heat adj treat\$5) or thermal\$5) and (sputter\$5 same (Ar or argon)) and (sputter\$5 same (nitrogen or "N.sub.2"))) | USPAT                        | OR | OFF | 2005/09/28 14:43 |
| L11 | 10  | ("5047367"   "5231053"   "5266156"   "5317187"   "5567651"   "5582881"   "5593924"   "5780362"   "5874342"   "5902129").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/09/28 14:13 |
| L12 | 9   | (204/192.12.ccls. or 204/192.17.ccls. or 204/192.15.ccls. or "438"/\$.ccls.) and (Cobalt adj (silicide or salicide)) and ((titanium adj nitride) or TiN) and (anneal\$5 or (heat adj treat\$5) or thermal\$5) and sputter\$5 and (nitride adj4 rich)   | USPAT                        | OR | OFF | 2005/09/28 14:21 |
| L13 | 23  | (204/192.12.ccls. or 204/192.17.ccls. or 204/192.15.ccls. or "438"/\$.ccls.) and (Cobalt adj (silicide or salicide)) and ("TiN.sub.x")   | USPAT                        | OR | OFF | 2005/09/28 14:35 |
| L14 | 0   | (Cobalt adj (silicide or salicide)) and ("TiN.sub.x")  | JPO                          | OR | OFF | 2005/09/28 14:36 |
| L15 | 11  | (Cobalt adj (silicide or salicide)) and sputter\$5   | JPO                          | OR | OFF | 2005/09/28 14:38 |
| L16 | 32  | (Cobalt adj (silicide or salicide)) and sputter\$5   | EPO;<br>DERWENT              | OR | OFF | 2005/09/28 14:39 |
| L17 | 93  | ("257"/\$.ccls.) and (Cobalt adj (silicide or salicide)) and ((titanium adj nitride) or TiN) and (anneal\$5 or (heat adj treat\$5) or thermal\$5) and (sputter\$5 same (Ar or argon)) and (sputter\$5 same (nitrogen or "N.sub.2")))   | USPAT                        | OR | OFF | 2005/09/28 14:43 |
| L18 | 480 | (204/192.12.ccls. or 204/192.17.ccls. or 204/192.15.ccls. or "438"/\$.ccls.) and (Cobalt adj (silicide or salicide)) and ((titanium adj nitride) or TiN)   | US-PGPUB;<br>USOCR           | OR | OFF | 2005/09/28 16:31 |